



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Friday, July 12, 2019

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Today through Sunday

- **Heavy rain/flooding, primarily in LA, is the main threat with Barry!**
- Risk of flash flooding for LA begins late today & continues through the weekend. Heavy rain/flash flood threat also moves into E AR/SE TX on Sunday, although the threat is not as high as the threat in LA on Saturday.
- Gusty tropical storm force and near hurricane force winds, some storm surge and a few tornadoes are also threats in LA through the weekend.

Monday through Tuesday

- Isolated/lingering flash flood threat possible in E AR on Monday.

Tropical Weather Outlook

- Tropical Storm Barry continues to move to the west-northwest of the northern Gulf of Mexico. Storm may strengthen into a hurricane before landfall on Saturday.
- Another area of disturbed weather in the Atlantic has a 20% chance of development over the next 5 days.

FEMA Region 6 Threat Matrix

July 12, 2019 – July 16, 2019



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DAY / THREAT	FRI	SAT	SUN	MON	TUE
Severe Storms	SE LA	LA/ETX	LA/AR		
Heavy Rain / Flash Flooding	SE LA	LA	LA/E AR	E AR	
			SE TX		
Fire Weather					
Tropical Weather (Winds/Surge)	LA	LA			
River Flooding	SE LA	SE LA	SE LA	SE LA	SE LA

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

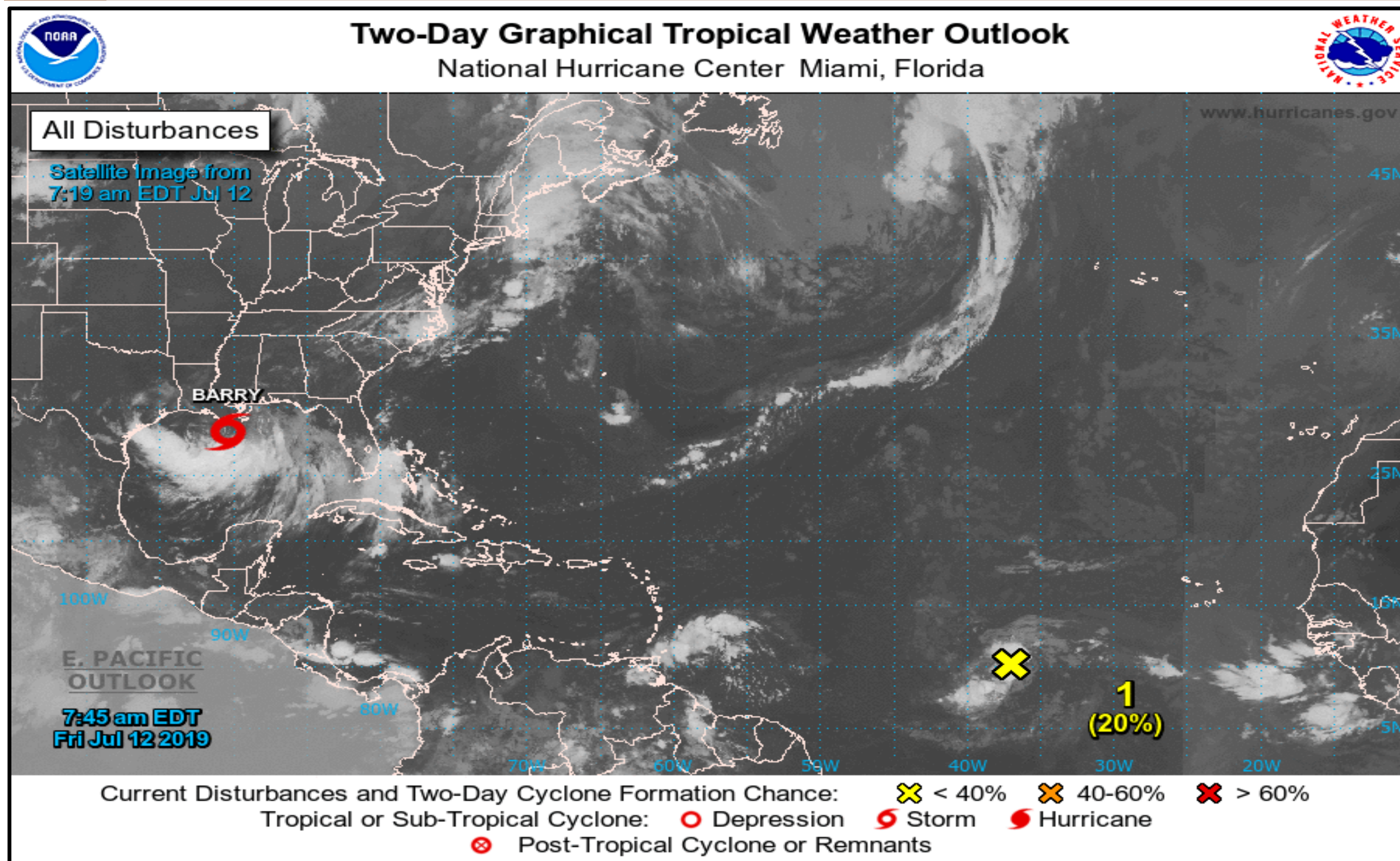
Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

For more details on the colors in the threat matrix refer to the last slide in this briefing.

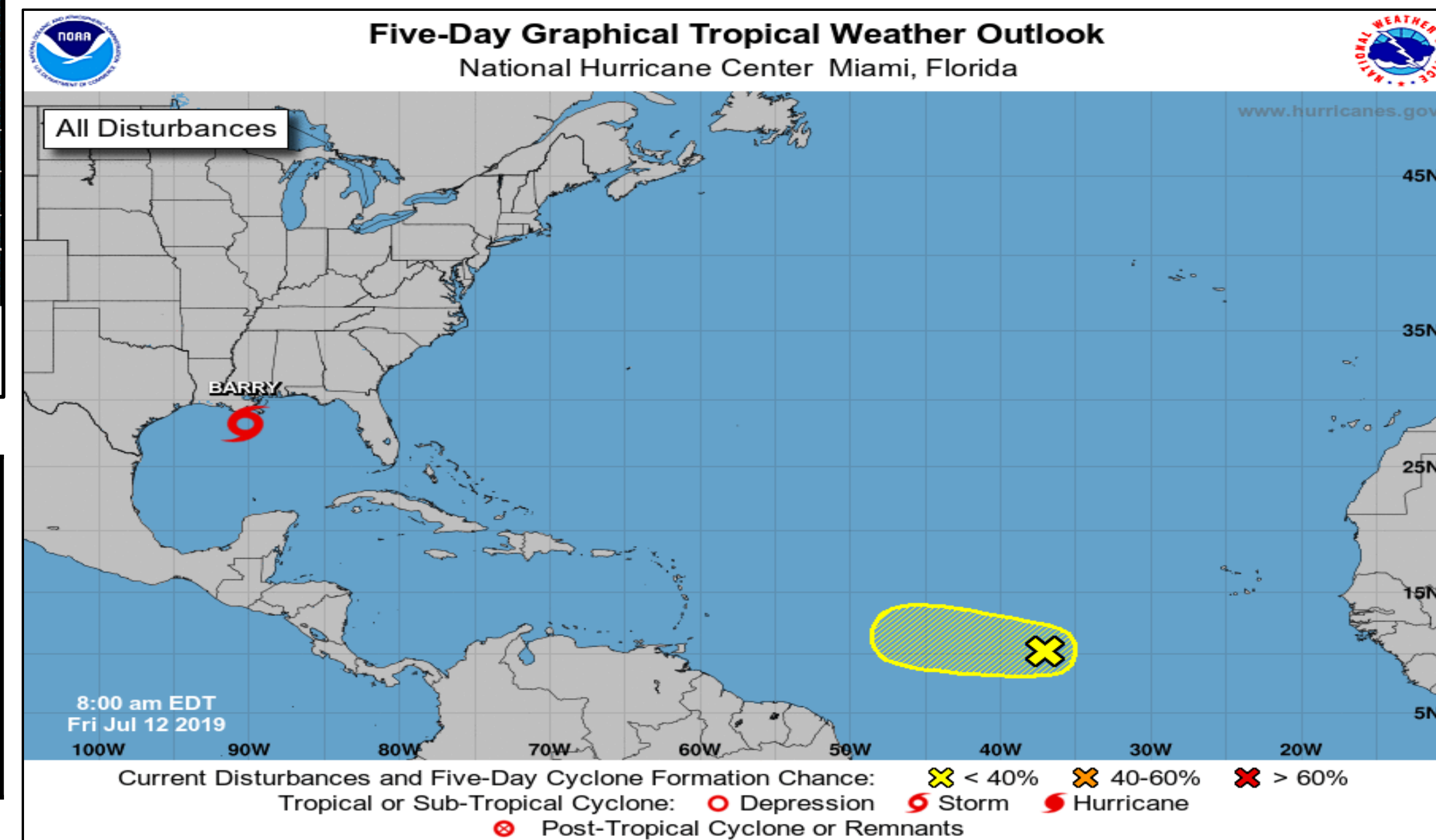
Tropical Weather Outlook – Atlantic/Gulf



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Tropical Storm Barry is located in the northern Gulf of Mexico, and could increase in strength to a hurricane before making landfall likely somewhere along the LA coast on Saturday. See next few slides for details/impacts.



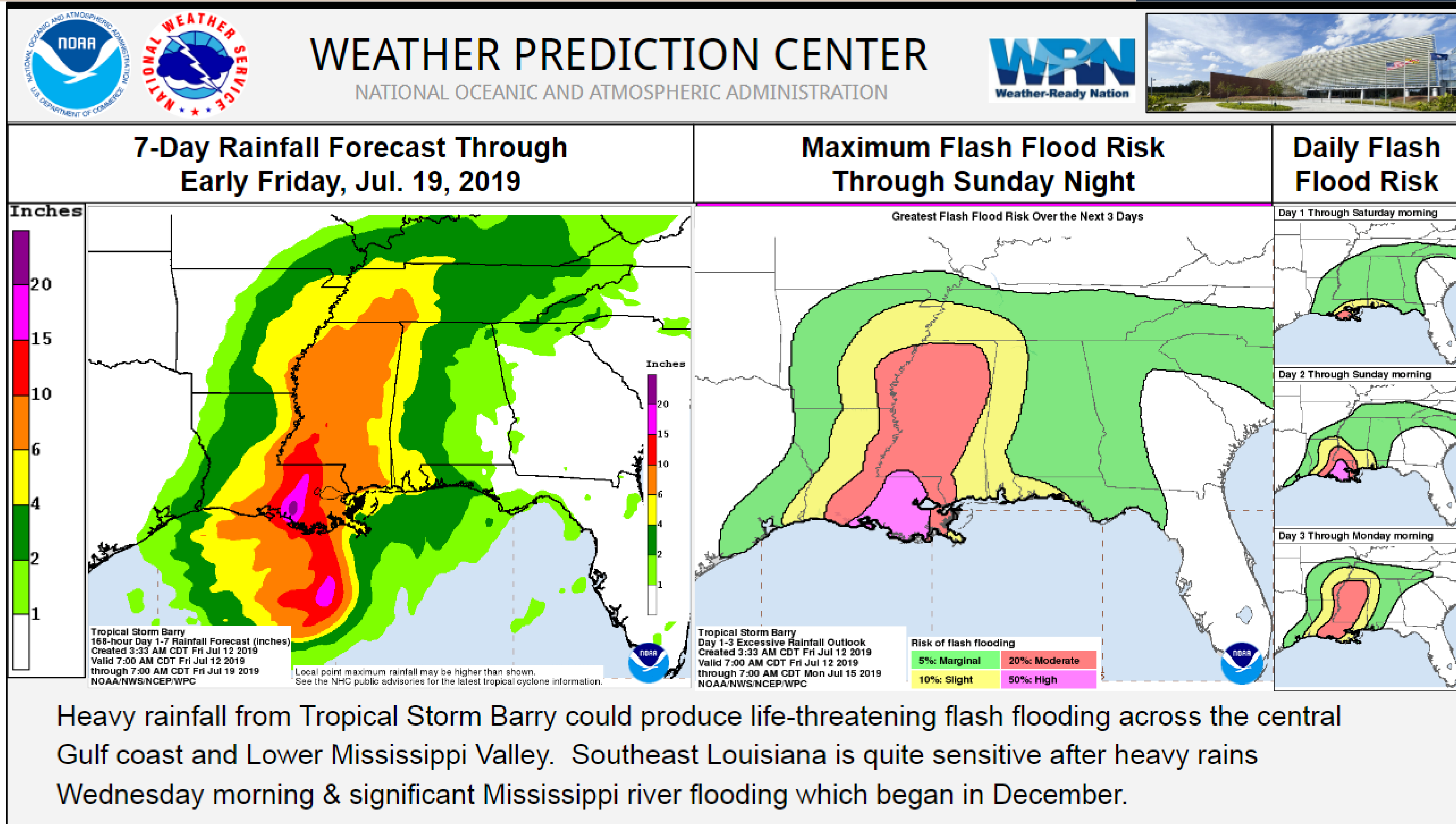
**A tropical wave in the eastern Atlantic will move westward over the next few days and has a low chance (20%) of developing into a tropical cyclone.
No immediate impacts to FEMA 6.
Will continue to monitor.**

Heavy Rain/Flash Flood Threat from Barry

Tropical Storm Barry



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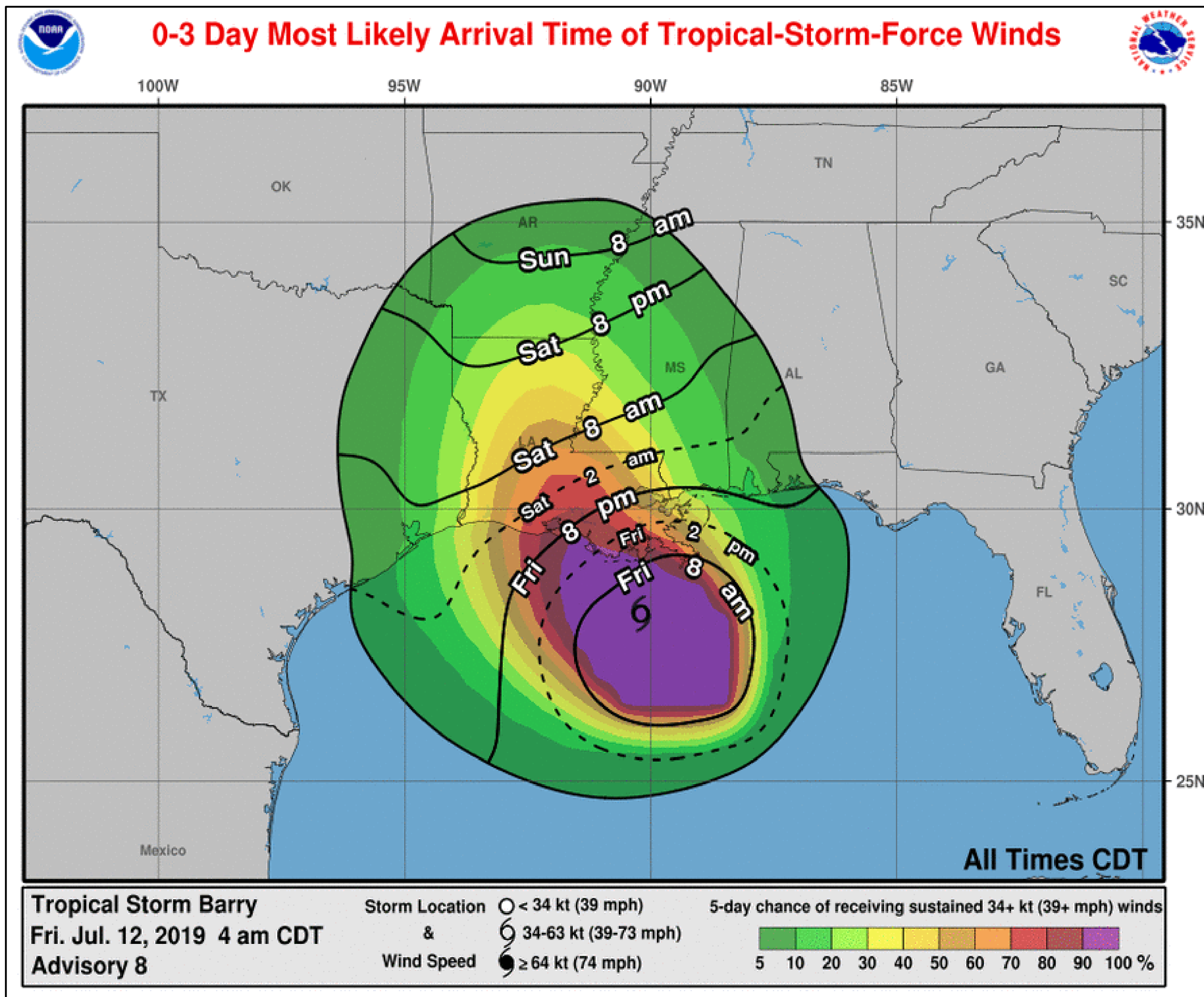


Most Likely Time of Arrival

Tropical Storm Barry



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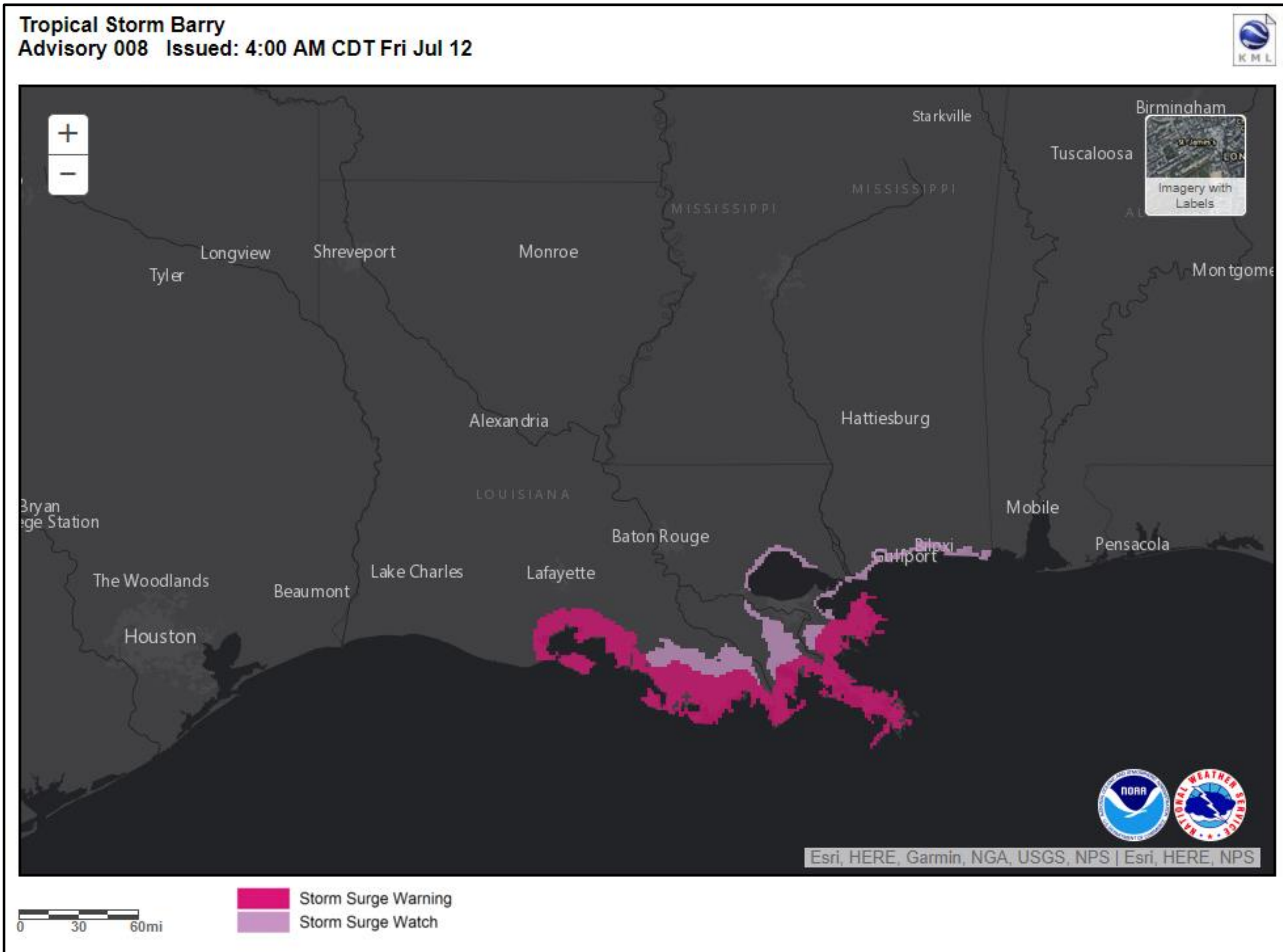
- The most likely time of arrival of Tropical Storm Force Winds for extreme southeast LA is this morning and by this evening across south-central LA.
- However, the earliest reasonable time of arrival of Tropical Storm Force Winds for south-central LA is this afternoon

Storm Surge Threat

Tropical Storm Barry



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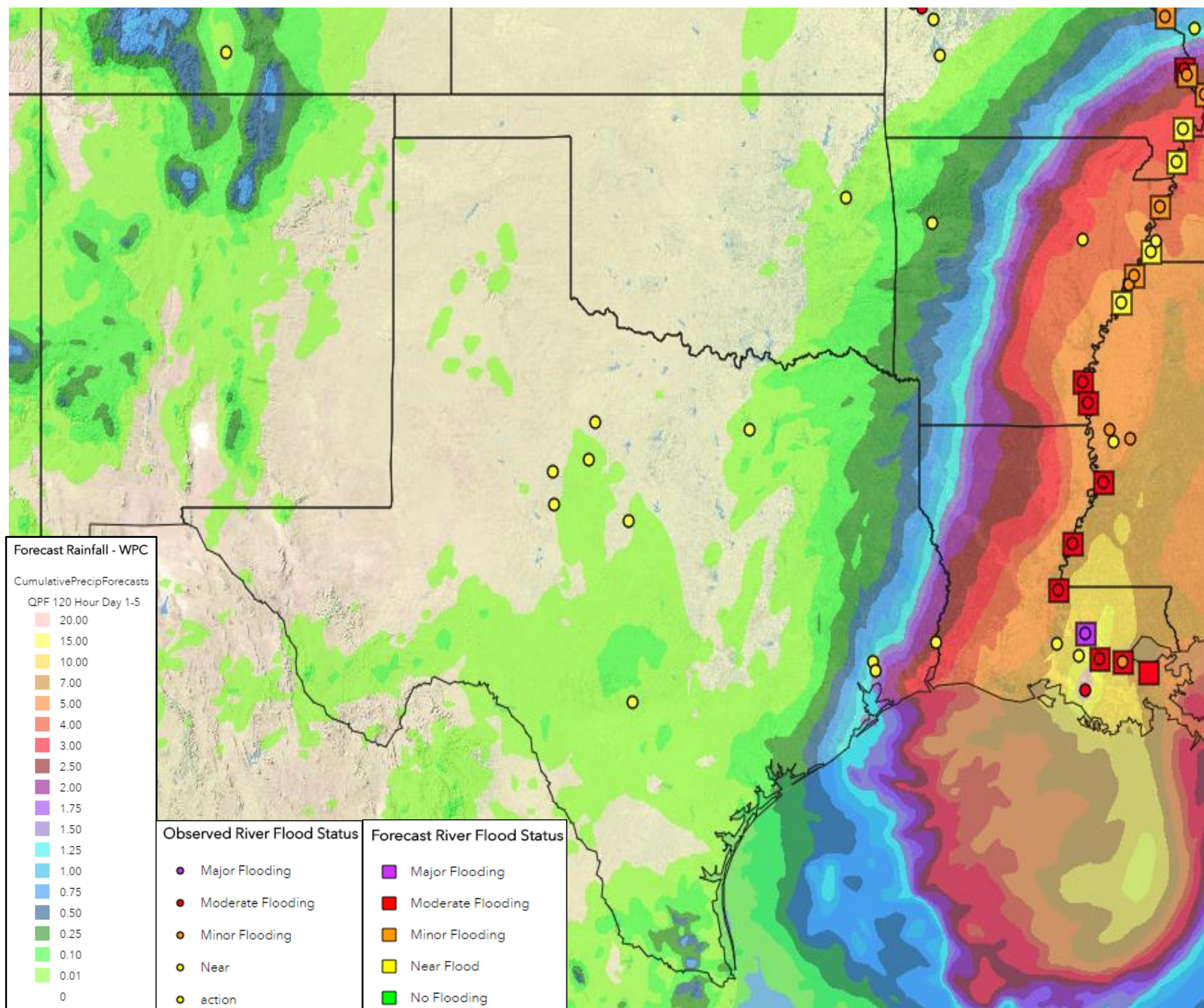
- Storm surge warning remains in effect for south-central into southeast LA.
- Possibility of life-threatening inundation from storm surge somewhere in the specified area within 48 hours.

5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Latest on the MS River Flooding:

- **Louisiana (except Baton Rouge):** Maintaining moderate flood stage into late July. Roads, several homes, some businesses remain flooded.
- **Bonnet Carre spillway** continues to operate.

River Flooding from Tropical Storm Barry:

- **Forecast for New Orleans** – 19 feet on Saturday, the city is protected by levees at this level.
- **Baton Rouge:** Will remain in major flood, but will rise to around 43 feet on Saturday. Impacts are primarily to river traffic and industrial activity.
- **Heavy rain across Louisiana** will likely result in new river flooding (potentially major) on area rivers.

Today's Weather



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Forecast Chart

Forecast Rainfall

**Wind and surge threats
begin to increase today
across S LA**

**Heavy rainfall and flash
flooding over SE LA**

**Slight risk of severe
storms over SE LA.
Isolated, short-lived
tornadoes are the main
threat.**

Severe Weather Outlook

Excessive Rainfall Outlook

Rainfall Outlook

2 2019
3 2019
Jul 12 2019
ARD
/WPC

Risk of rainfall exceeding flash flood guidance
within 25 miles of a point

HIGH: > 50%

SLGHT: 10%-20%

MDT: 20%-50%

MRGL: 5%-10%

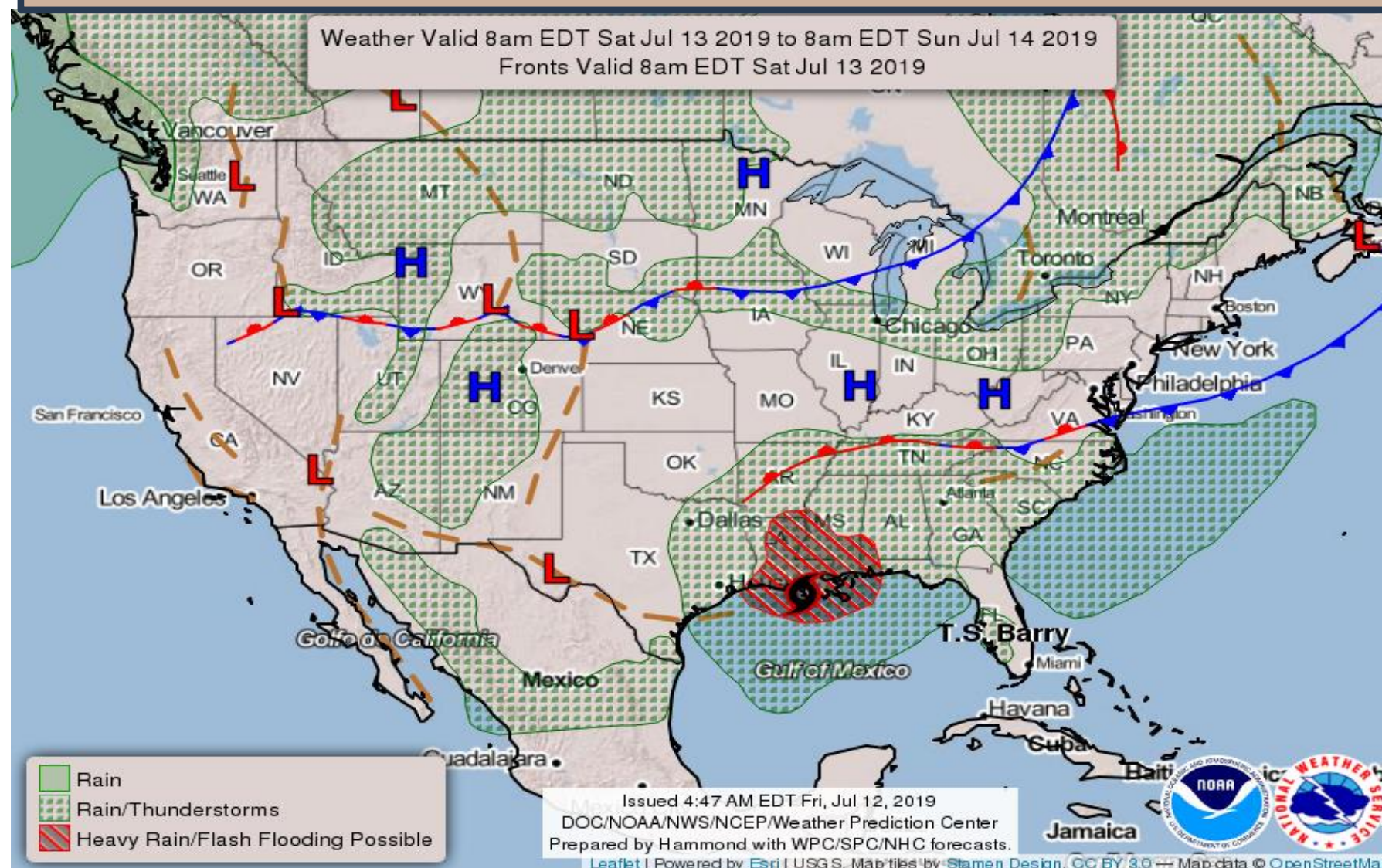
www.weather.gov/srh

Tomorrow's Weather

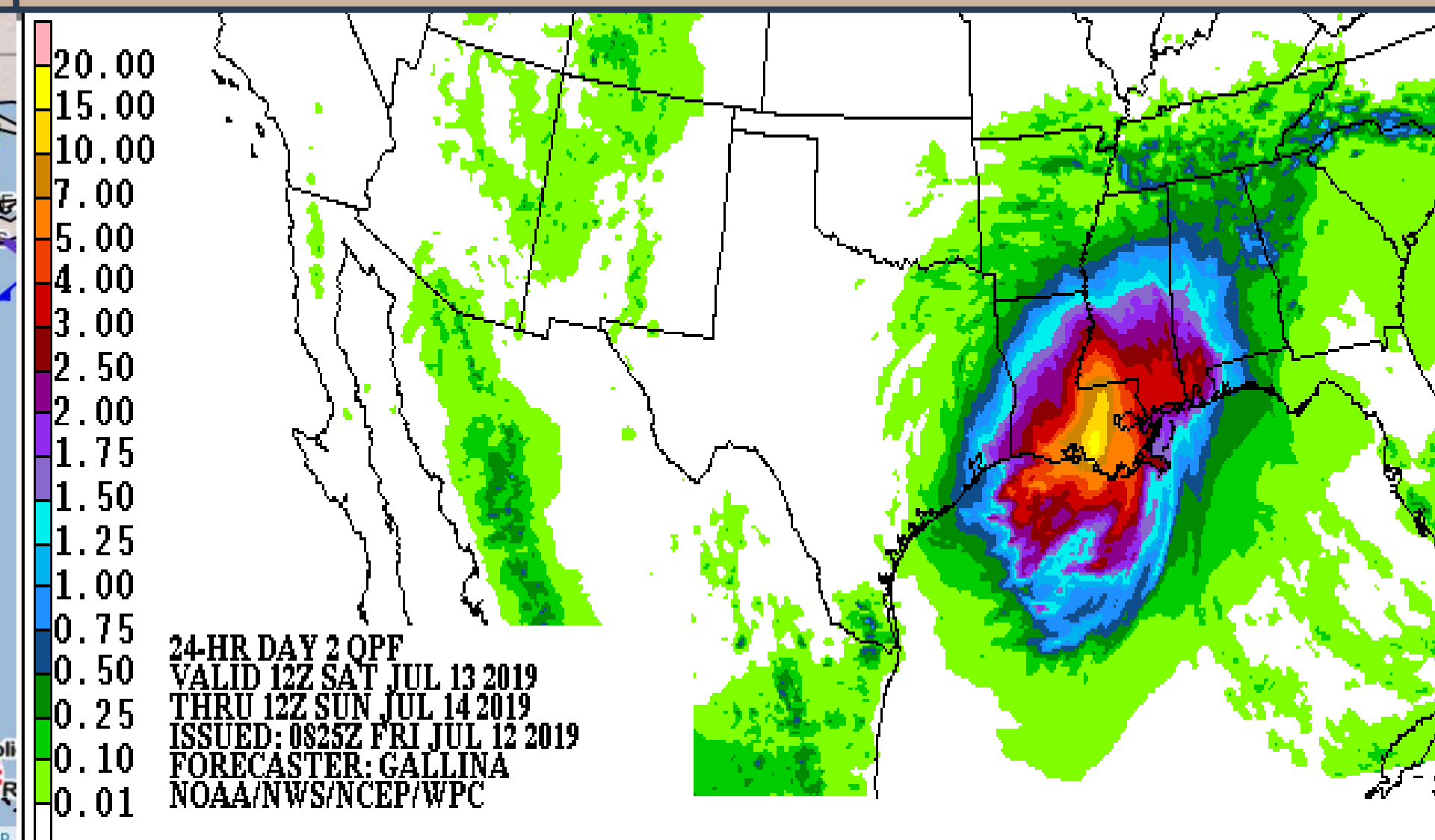


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Forecast Chart



Forecast Rainfall

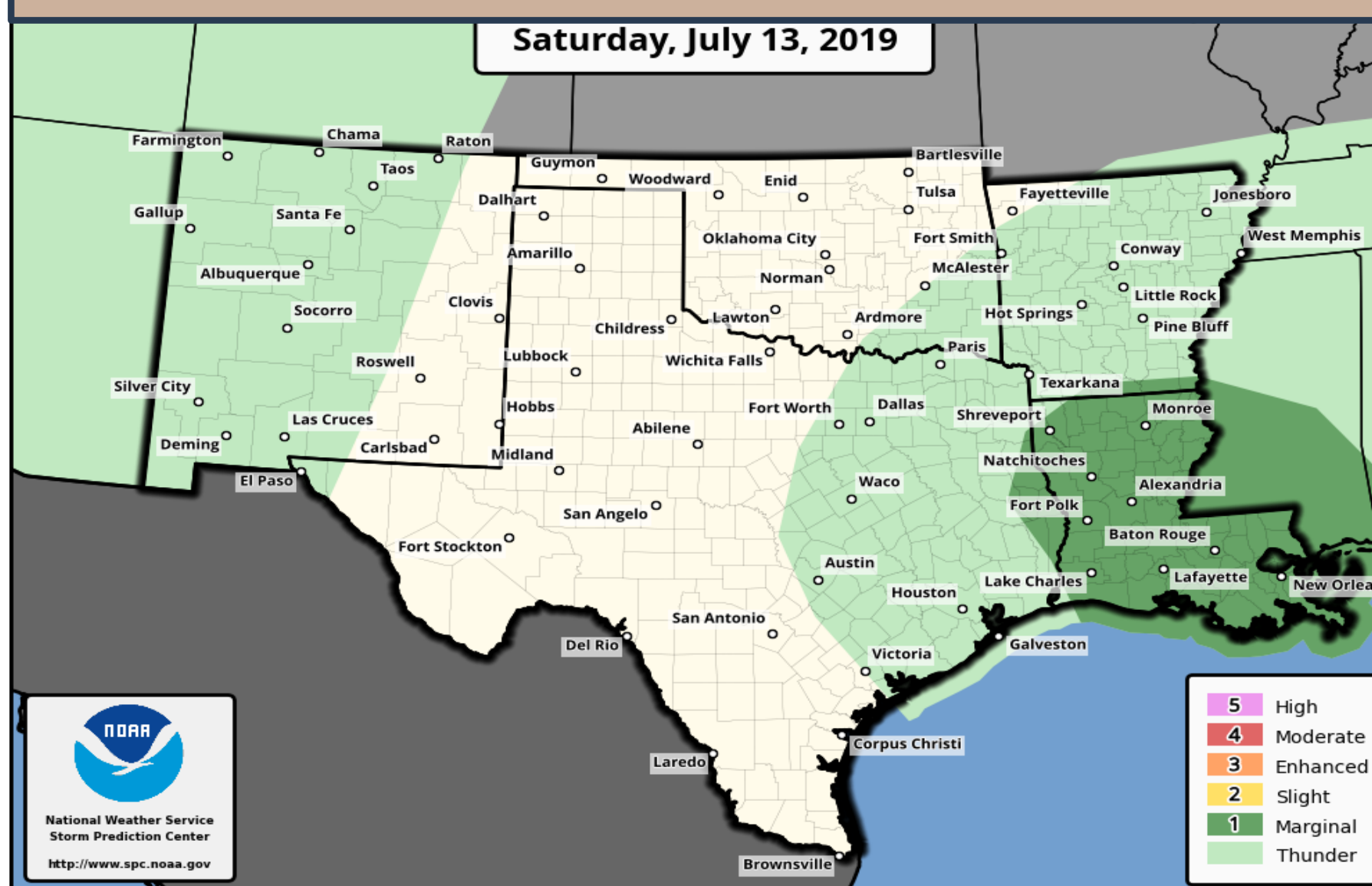


Moderate to high risk of heavy rainfall and flash flooding over eastern half of LA.

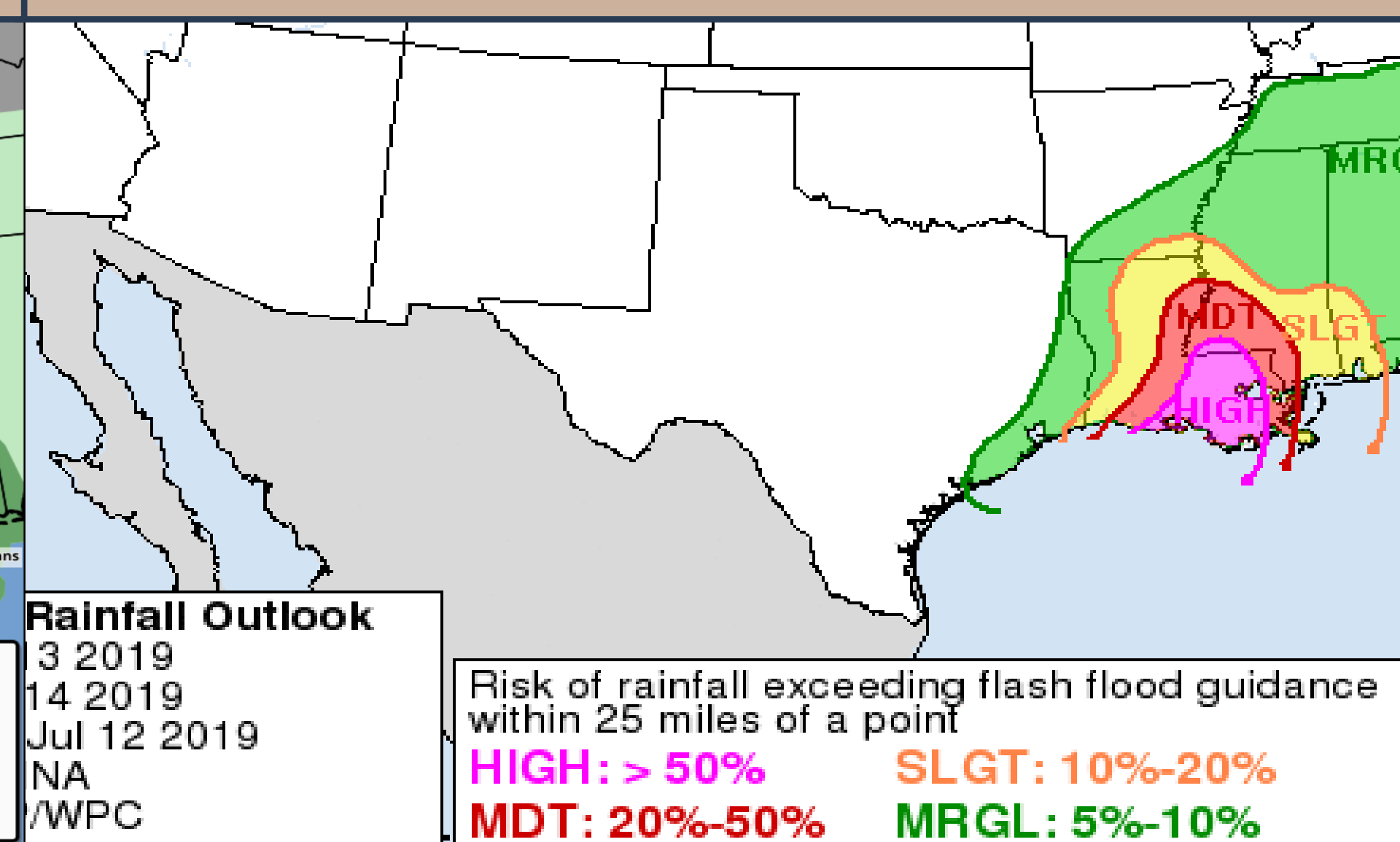
Wind and surge threat continues across S LA.

Marginal risk of severe storms over LA and E TX. Isolated, weak, short-lived tornadoes are the main threat.

Severe Weather Outlook



Excessive Rainfall Outlook



Rainfall Outlook
3 2019
14 2019
Jul 12 2019
NA
/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Sunday's Weather



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Forecast Chart

Forecast Rainfall

Slight to moderate risk of heavy rainfall and flooding over LA and E AR

Heavy rain and flash flooding possible over SETX

Isolated severe storms possible in LA and AR. Isolated, short-lived, weak tornadoes are the main threat.

Severe Weather Outlook

Excessive Rainfall Outlook

Rainfall Outlook

14 2019
15 2019
Jul 12 2019
INA
/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

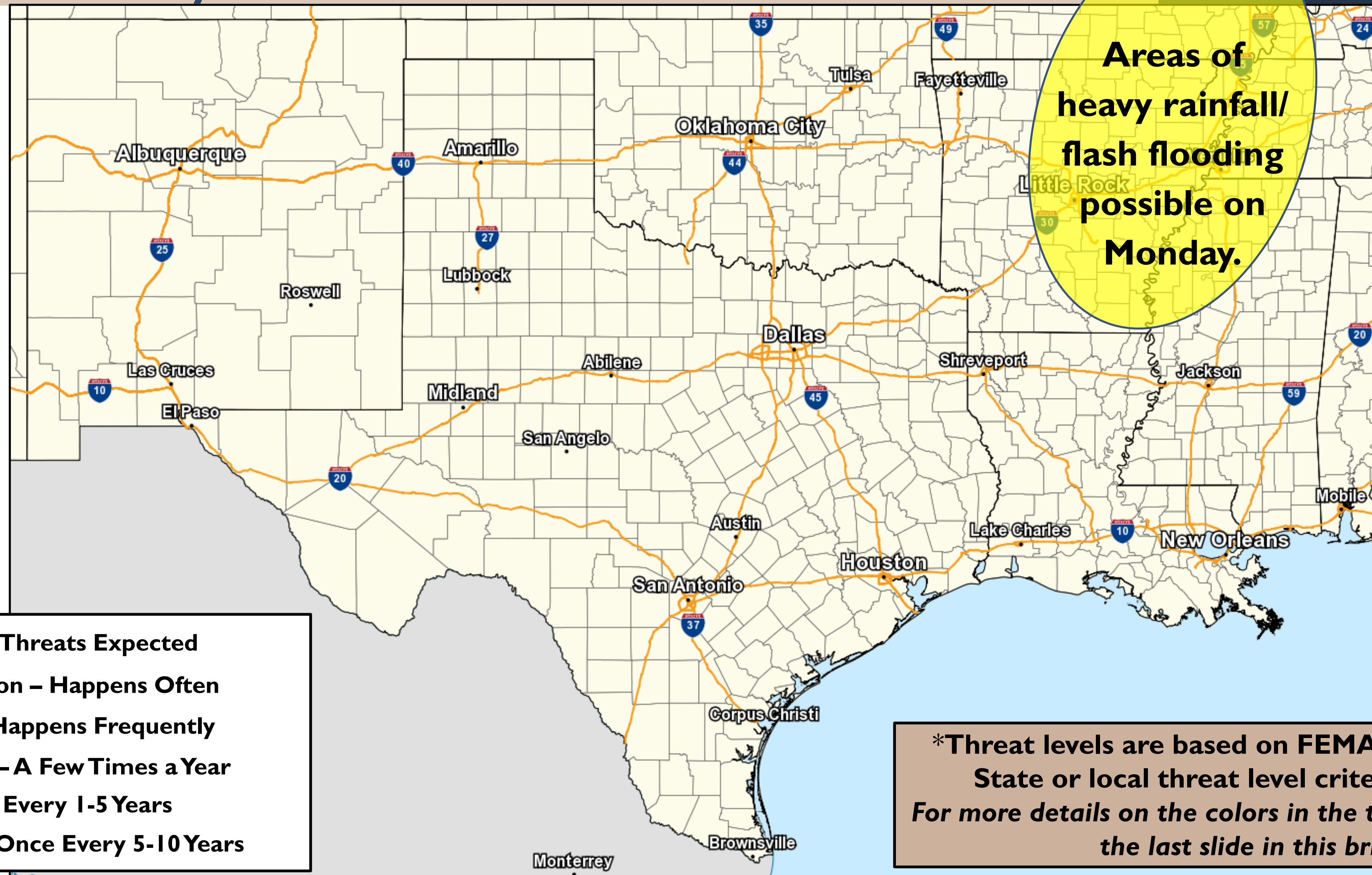
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Days 4-5 Weather Hazards

Monday – Tuesday



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***Threat levels are based on FEMA Region 6 criteria.
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For more details on the colors in the threat matrix refer to the last slide in this briefing.

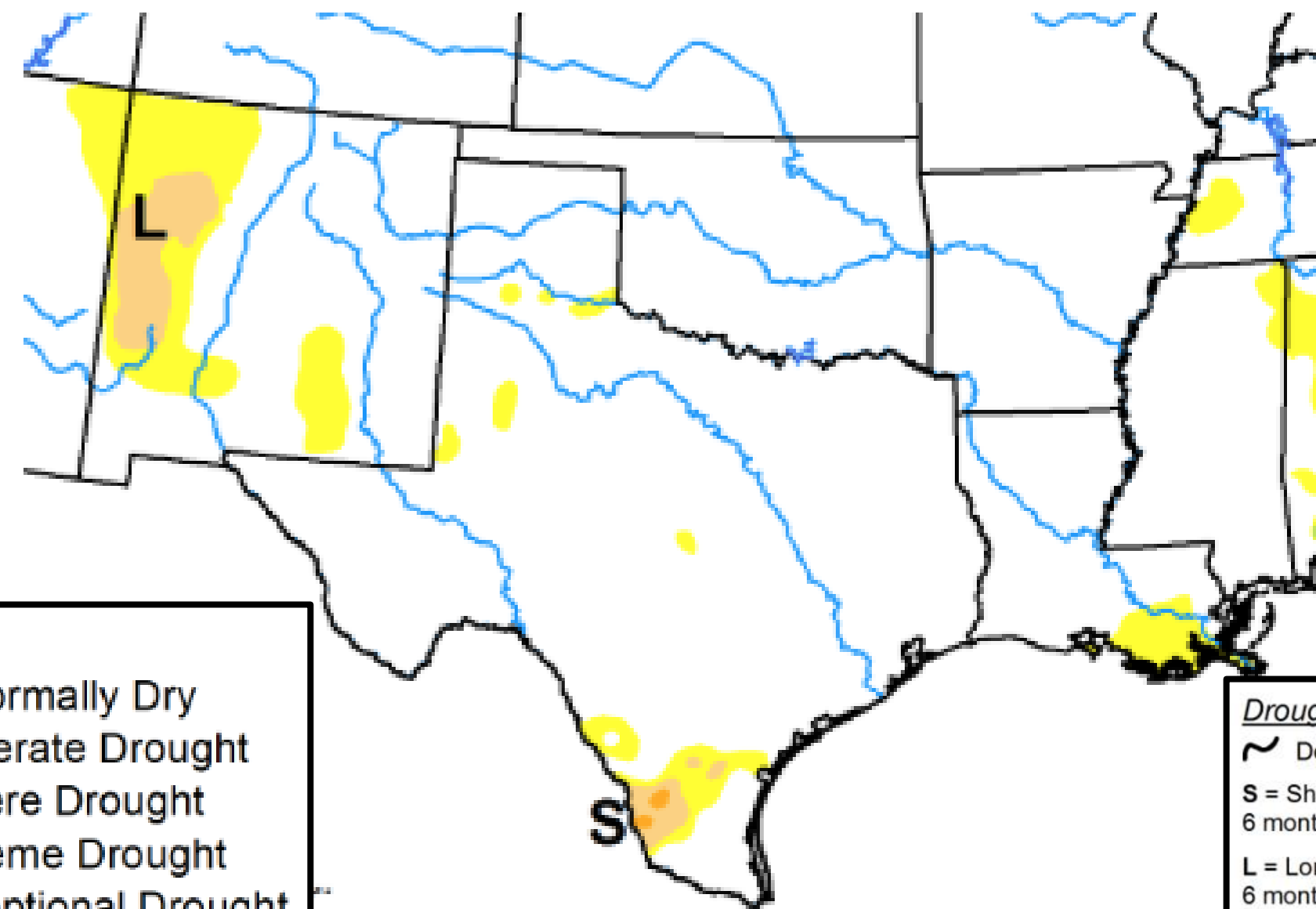
Drought Monitor (Released July 11, 2019)



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Data valid as of 7am EST, Tuesday, July 9, 2019

Drought Monitor

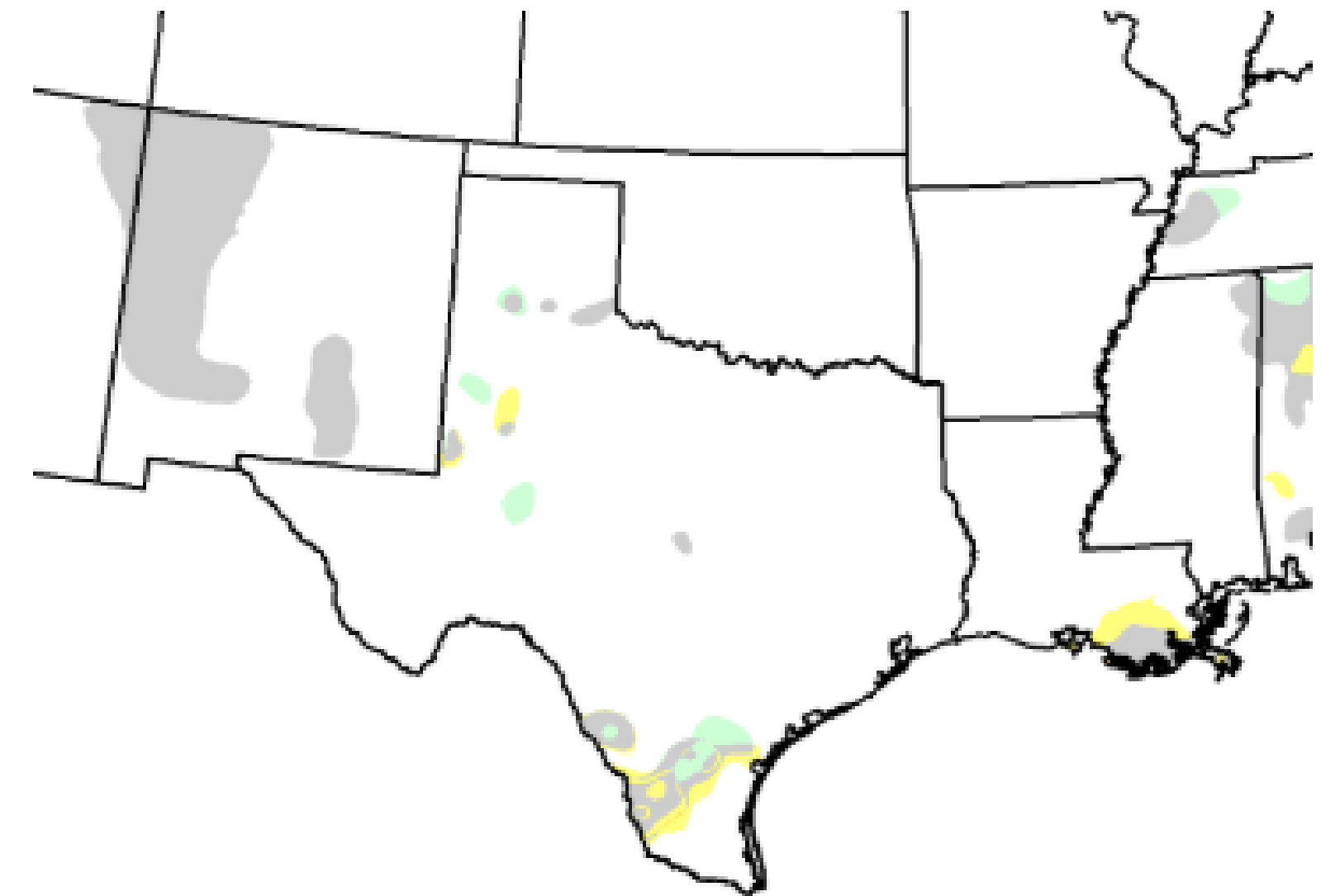
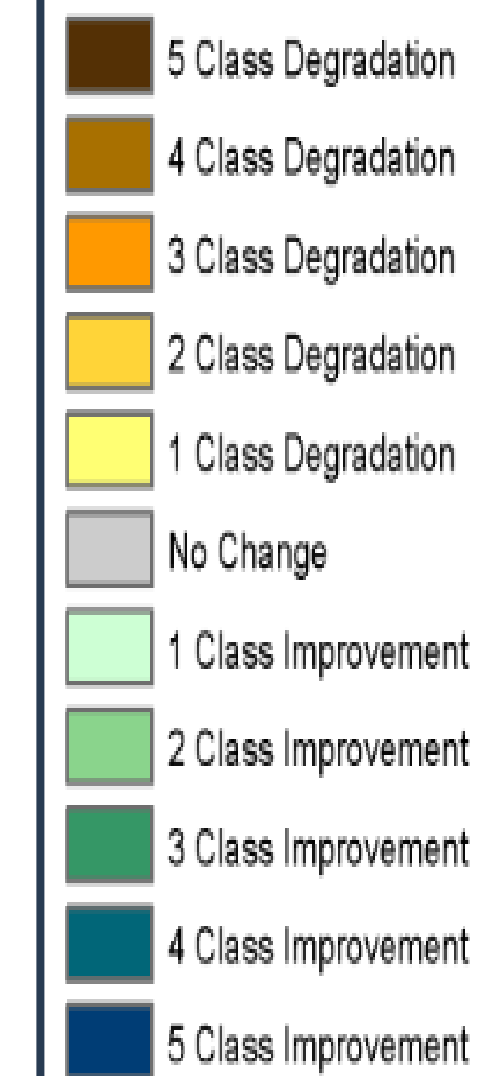


Intensity:

Yellow	D0 Abnormally Dry
Orange	D1 Moderate Drought
Dark Orange	D2 Severe Drought
Red	D3 Extreme Drought
Dark Red	D4 Exceptional Drought

Drought Impact Types:
~ Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

One Week Change in Drought



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

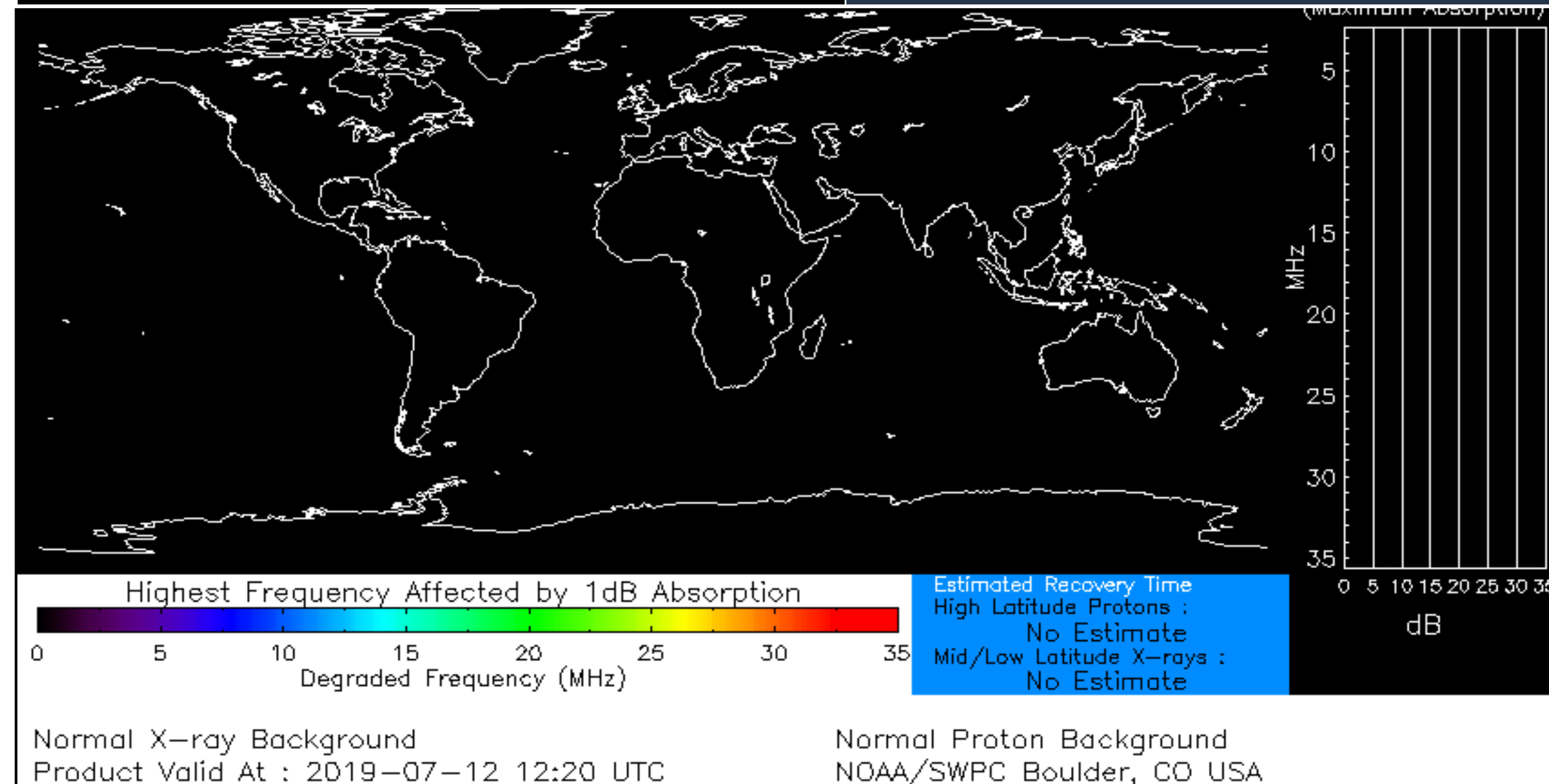
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
New Mexico	0.00%	0.00%	0.00%	57.68%
Oklahoma	0.00%	0.00%	0.00%	8.81%
Texas	0.00%	0.00%	0.00%	4.95%

Space Weather 3-Day Forecast



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	Friday	Saturday	Sunday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a
Description of the Space
Weather Storm Scales](#)

[Click here for the Latest
3-Day Space Weather
Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov